

# Outdoor Unit Multi-zone Heat Pump Ductless System

Outdoor Model: **38MGRQ24C--3**

## Submittal Data

Job Data:  Location:

Buyer:  Buyer P.O. #:  Carrier #:

Unit Number:  Model Number:

Performance Data Certified By:  Date:



### MULTI-ZONE STANDARD FEATURES

#### Features Outdoor:

- Connect up to 3, multiple style indoor units
  - High Wall
  - Cassette
  - Ducted
  - Console
- 100% Heating Capacity at 5° F (-15° C)
- Variable Speed (Inverter) Compressor
- Basepan Heater factory installed
- Quiet operation
- Aluminum Hydrophilic pre-coated fins

Cooling operating range -13°~122° F (-25°~50° C)

Heating operating range -22°~86° F (-30°~30° C)

#### LIMITED WARRANTY\*

- 10 year limited to original purchaser on compressor and parts upon timely registration, otherwise 5 years

\*For residential applications. See warranty for full details.

**Compatibility Table**

For matched compatibility see Product Data

PHASED OUT  
INDOOR UNITS

INDOOR UNIT				
High Wall	40MPHAQ09XA3	619PHAQ09XA3	DHMPHAQ09XA3	
	40MPHAQ12XA3	619PHAQ12XA3	DHMPHAQ12XA3	
	40MAQB09B--3	619PEQ009BBMA	DHMSHAQ09XA3	
	40MAQB12B--3	619PEQ012BBMA	DHMSHAQ12XA3	
	40MAQB18B--3	619PEQ018BBMA	DHMSHAQ18XA3	
	40MAHBQ06XA3	619AHBQ06XA3	DHMAHBQ06XA3	
	40MAHBQ09XA3	619AHBQ09XA3	DHMAHBQ09XA3	
	40MAHBQ12XA3	619AHBQ12XA3	DHMAHBQ12XA3	
	40MAHBQ18XA3	619AHBQ18XA3	DHMAHBQ18XA3	
	40MHHQ09---3			
	40MHHQ12---3			
	40MHHQ18---3			
	Cassette	40MBQB09C--3	619REQ009CBMA	
40MBQB12C--3		619REQ012CBMA		
40MBQB18C--3		619REQ018CBMA		
40MBCQ09---3				
40MBCQ12---3				
40MBCQ18---3				
Ducted	40MBQB09D--3	619REQ009DBMA		
	40MBQB12D--3	619REQ012DBMA		
	40MBQB18D--3	619REQ018DBMA		
	40MBDQ09---3			
	40MBDQ12---3			
Console	40MBQB09F--3	619REQ009FBMA	40MBFQ09---3	
	40MBQB12F--3	619REQ012FBMA		
	40MBFQ12---3			
	40MBFQ18---3			

# Specifications

System	Size	24	
	Outdoor Model	38MGRQ24C--3	
	Max Number of Zones	3	
Performance Non-Ducted	Energy Star	YES	
	Cooling System Tons	2.0	
	Cooling Rated Capacity	Btu/h	24,000
	Cooling Cap. Range Min - Max	Btu/h	7,880~33,510
	SEER	23	
	EER	12.5	
	Heating Rated Capacity (47°F)	Btu/h	24,000
	Heating Maximum Capacity (5°F)	Btu/h	24,450
	Heating Cap. Range Min - Max	Btu/h	6,010~36,180
	HSPF	10.3	
	COP (47°F)	W/W	3.9
	COP (5°F)	W/W	2.1
	Performance Combination Ducted and Non-Ducted	Energy Star	NO
Cooling System Tons		2.0	
Cooling Rated Capacity		Btu/h	24,000
Cooling Cap. Range Min - Max		Btu/h	7,765~31,955
SEER		22	
EER		11.75	
Heating Rated Capacity (47°F)		Btu/h	24,000
Heating Maximum Capacity (5°F)		Btu/h	24,150
Heating Cap. Range Min - Max		Btu/h	5,980~36,190
HSPF		10.15	
COP (47°F)	W/W	3.85	
COP (5°F)	W/W	2.03	
Performance Ducted	Energy Star	NO	
	Cooling System Tons	2.0	
	Cooling Rated Capacity	Btu/h	24,000
	Cooling Cap. Range Min - Max	Btu/h	7,650~30,400
	SEER	21	
	EER	11	
	Heating Rated Capacity (47°F)	Btu/h	24,000
	Heating Maximum Capacity (5°F)	Btu/h	23,850
	Heating Cap. Range Min - Max	Btu/h	5,950~36,200
	HSPF	10	
COP (47°F)	W/W	3.8	
COP (5°F)	W/W	1.96	

Operating Range	Cooling Outdoor DB Min - Max	°F(°C)	-13~122 (-25~50)
	Heating Outdoor DB Min - Max	°F(°C)	-22~86 (-30~30)
Piping	Total Piping Length	ft (m)	197(60)
	Piping to furthest FCU	ft (m)	98 (30)
	Drop (OD above ID)	ft (m)	49(15)
	Lift (OD below ID)	ft (m)	49(15)
	Pipe Connection Size - Liquid	in (mm)	1/4*3(6.35*3)
	Pipe Connection Size - Suction	in (mm)	3/8*3(9.52*3)
Refrigerant	Type	R410A	
	Charge	lbs (kg)	6.17(2.8)
	Metering Device	EEV	
Electrical	Voltage, Phase, Cycle	V/Ph/Hz	208/230-1-60
	Power Supply	Indoor unit powered from outdoor unit	
	MCA	A.	25
	Recommended Fuse Size	A.	30
	MOCP - Fuse Rating	A.	35
Compressor	Type	R410A	
	Model	ATF235D22UMT	
	Oil Type	ESTER OIL VG74	
	Oil Charge	Fl. Oz.	23.58
Outdoor	Rated Current	RLA	15
	Unit Width	in (mm)	41.22 (1047)
	Unit Height	in (mm)	31.88 (810)
	Unit Depth	in (mm)	17.91 (455)
	Net Weight	lbs (kg)	149.9 (68)
	Airflow	CFM	2130
Sound Pressure	dB(A)	63.4	

## Rated Combinations

Two Zones	Three Zones
6+6	6+6+6
6+9	6+6+9
6+12	6+9+9
6+18	6+6+12
9+9	6+9+12
9+12	6+9+18
9+18	6+6+18
12+12	6+12+12
12+18	6+12+18
18+18	9+9+9
	9+9+12
	9+9+18
	9+12+12
	12+12+12

# Construction View

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